

is merely scooped out, the current sealing off blood vessels and lymphatics.

The aspiration method has been used most frequently in soft bone tumors. In about 60 per cent of cases suitable material can be aspirated, but of these, few yield material capable of really accurate diagnosis and usually not in early cases.

Various instruments have been devised which can be plunged into a tumor and when withdrawn will pull or cut a piece of tumor loose and bring it along. Malignancy of the breast, prostate, lung, and other organs has been diagnosed by this means, but again many specimens are unfitted for one reason or another for the pathologist to take the responsibility of diagnosis.

Naturally the details vary in different situations. Take the breast and lip as examples. When a lump in the breast is of doubtful clinical diagnosis the tumor should be excised *in toto* with the endotherm knife. Immediate examination of the entire tumor is made and, if malignant, the surgeon should be prepared to complete the radical operation. In about 80 per cent of the cases the diagnosis can be made by gross inspection and palpation; in the others frozen sections will add 15 per cent more to the percentage, leaving a margin of approximately 5 per cent which cannot be safely diagnosed by this method. In most doubtful cases the lump is not a malignant tumor. The following must be observed in this procedure: (1) If the frozen section cannot be cut and stained properly in five minutes, take ten minutes, for the additional five minutes will not jeopardize the patient but will indeed add to the chances for accuracy in diagnosis; (2) if the tumor is malignant, gloves and instruments should be changed and the operation proceeded with (no biopsies of this type should be done unless the stage is completely set for the possible completion of the next procedures); (3) permission of the patient for the complete operation must be obtained before anything is started.

In the case of the lip the endotherm loop removes a bit of tumor tissue plus a bit of surrounding, apparently healthy, tissue. The diagnosis of malignancy is best made on changes in architecture, that is, organization of the cells, and cannot be made with sufficient accuracy on cellular detail alone. Therefore, the relationship of tumor to surrounding tissue in most instances is the greatest determining factor to the pathologist.

It should be remembered that pathologists are also physicians, and the history of the patient is much appreciated. In fact, since the physiologic has been added in many instances to the pathologic in diagnosis, the history is often essential to complete sizing up of a case. . . .

As a summary, biopsy is the most accurate method known for the diagnosis of tissues. Propaganda exerted upon the profession and patients alike is, undoubtedly, bringing individuals earlier for treatment. This opportunity must be cultivated to the limit, for all of the efforts toward removing malignancy depend on cutting it out or burning it out *in toto*. Therefore, for early diagnosis, with proper precaution, biopsies must be done and the tissue placed in care of a competent pathologist.

### STATE MEDICINE \*

Protests accumulate against the proposal to nationalize medical treatment and establish a system of federal health insurance. The American Medical Association, American physicians studying abroad, groups of alert laymen, and, more lately, the editor of the *Journal of the American Medical Association*, on return from a trip to Europe, have warned against the dangers of the scheme. Their testimony seems to indicate clearly its disadvantages, from both a public and a private point of view, and on moral and social as well as purely physical grounds.

It is taken for granted that the interests of the public are paramount in any contemplation of the scheme, although the effects upon the physician himself of socializing his profession must be deleterious if he is turned into a machine, a cog in a medical bureaucracy, and his often helpful personal relationships with his patient destroyed. From the point of view of thousands who do not resort to medical aid, the tax upon them is unfair, and the increased public cost, to the taxed employer as well as to the debt-burdened state, is an item to be considered.

The Associated Press recently carried a report of an article contributed to a medical publication in Vienna by a group of American physicians doing advanced study there which severely indicted the health insurance plan as practiced abroad and warned the United States against following the foreign example.

"The sick fund creates an unwillingness to work," they wrote, "and the desire for recovery from illness is undermined by the possibility of getting money without working." In other words, it is profitable for the insured to be sick or to pretend to be sick.

"Nation's Business," organ of the Chamber of Commerce of the United States, a few months ago undertook a painstaking survey of health insurance systems abroad, especially in Germany and England, and found malingering to be common, with temptations constantly being placed before examining physicians.

It is obvious what the cost might be in the United States, with a medical insurance bureaucracy set up in Washington and down through every state to the smallest local governmental subdivisions; with taxes levied against every employer and employee, and additional state appropriations demanded to meet the federal grants.

Dr. Charles Gordon Heyd, President of the American Medical Association, last winter pointed out a lurking danger under the nationalized system when he said: "The practice of medicine in the lower economic groups [under the system] becomes largely a prescription practice—a brief consultation, a scant history, a bottle of medicine." This is confirmed by Sir Kingsley Wood, British Minister of Health, who told the House of Commons: "We are rapidly becoming a nation of medicine drinkers."

To the all-important question, "Does health insurance and nationalized medical treatment reduce illness or prevent it?" the League of Nations replies that in European countries having this system the rate of certain so-called communicable diseases has increased and the infant mortality rate and that from lung diseases is higher.

Summed up, the socialized medicine scheme, in the view of its investigators, stands indicted on the following counts: It promotes dishonesty on the part of the insured and the physician who collects a fee; it increases public costs of government and individual costs of living; it promotes deleterious consumption of drugs, and it actually promotes sickness. Other reasons exist for rejecting the medical bureaucracy scheme, but those enumerated seem sufficient to condemn it.—*Christian Science Monitor*, September 4, 1937.

### CALIFORNIA BOARD OF MEDICAL EXAMINERS: ROSTERS OF RECENT LICENTIATES

On September 2, 1937, Charles B. Pinkham, M. D., Secretary-Treasurer of the Board of Medical Examiners of the State of California, reported results of the written examination held in San Francisco, June 29 to July 1, 1937, inclusive. The examination for physicians and surgeons covered nine subjects and included ninety questions; the examination for drugless practitioners covered seven subjects, and included seventy questions; and the examination for chiropodists covered six subjects and included sixty questions. An average of 75 per cent is required to pass. One hundred and seventy-eight applicants wrote the examination, including one hundred and fifty-four physicians and surgeons, twenty-three chiropodists, and one drugless practitioner. Included in the physicians and surgeons applicants were several graduates of foreign medical schools.

The highest mark for physicians and surgeons (92 3/9 per cent) was made by Harry J. Borson, M. D., 249 Edgewood Avenue, San Francisco, a graduate of the University of California Medical School, May 22, 1937.

The following is a list of successful applicants:

PASSED: EXAMINATION REPORT OF SEPTEMBER 2, 1937

#### Physicians and Surgeons

Abrahamson, Arthur Joseph, San Francisco, University of California Medical School, California.  
Adams, George Furman, Oakland, University of Arkansas School of Medicine, Arkansas.  
Aggeler, Paul Michael, San Francisco, University of California Medical School, California.

\* For editorial comment, see page 219.

- Albertson, Henry Kendall, San Diego, Northwestern University Medical School, Illinois.
- Anderson, Frank Manter, Los Angeles, University of Southern California School of Medicine, California.
- Anderson, Kermit Hudson, San Francisco, Rush Medical College, Illinois.
- Armanini, George Bert, San Francisco, Stanford University School of Medicine, California.
- Auerbach, Joseph, San Francisco, University of Michigan Medical School, Michigan.
- Barnes, Le Roy John, Oakland, Rush Medical College, Illinois.
- Barrett, Thomas Francis, Sausalito, Creighton University School of Medicine, Nebraska.
- Bartlett, John Carleton, Oakland, University of Southern California School of Medicine, California.
- Berliner, Bernhard, San Francisco, Albert Ludwig University, Freiburg, Germany.
- Blanchard, Leland Bowman, San Francisco, Stanford University School of Medicine, California.
- Bledsoe, Clarence West, Oakland, University of Chicago School of Medicine, Division of Biological Sciences, Illinois.
- Blume, Frederick Elmer, San Leandro, Stanford University School of Medicine, California.
- Borson, Harry J., San Francisco, University of California Medical School, California.
- Borson, Josephine Esterly, San Francisco, University of California Medical School, California.
- Bricca, Rafael Peter, San Francisco, University of Cincinnati College of Medicine, Ohio.
- Brody, Yale, New York, Dalhousie University Faculty of Medicine, Nova Scotia, Canada.
- Bryant, Alva Luel, Jr., San Francisco, University of Southern California School of Medicine, California.
- Burroughs, Clement Doss, San Francisco, University of Arkansas School of Medicine, Arkansas.
- Butler, Leo Joseph, San Francisco, University of California Medical School, California.
- Campisi, Dominic Albert, San Jose, Creighton University School of Medicine, Nebraska.
- Caulkins, Charles Colgrove, San Francisco, University of California Medical School, California.
- Clegg, John Gibson, Los Angeles, Stanford University School of Medicine, California.
- Cobb, Dudley-Manchester, Jr., Los Angeles, College of Medical Evangelists, Loma Linda, California.
- Cope, James Hallam, Jr., Pleasanton, Jefferson Medical College, Pennsylvania.
- Dorgeloh, Justin Redman, San Francisco, Stanford University School of Medicine, California.
- Doudna, Calvin Thomas, Oakland, University of Wisconsin Medical School, Wisconsin.
- Dugan, Roger John, Sacramento, George Washington University Medical School, District of Columbia.
- Dyert, Gilbert Wesley, Oakland, Rush Medical College, Illinois.
- Dyke, Louis Henry, Jr., Oakland, University of Southern California School of Medicine, California.
- Elchorn, Karl Birkel, San Francisco, University of California Medical School, California.
- Fahlen, Charles Cuthbert, San Francisco, Stanford University School of Medicine, California.
- Fehlmann, Frederick Henry, San Diego, University of Michigan Medical School, Michigan.
- Ferber, David Martin, San Francisco, University of California Medical School, California.
- Ferree, Virgil Delbert, San Bernardino, College of Medical Evangelists, Loma Linda, California.
- Fishbein, Abraham Allan, San Francisco, University of California Medical School, California.
- Fountain, William Edwin, Merced, Stanford University School of Medicine, California.
- Galt, Curtis Martin, Alexandria, Nebraska, University of Nebraska College of Medicine, Nebraska.
- Gilbert, William Paul, Los Angeles, College of Medical Evangelists, Loma Linda, California.
- Gill, Gerald George, San Francisco, University of California Medical School, California.
- Graham, Howard Franklin, Oakland, University of California Medical School, California.
- Hansen, Oluf Steffen, Los Angeles, College of Medical Evangelists, Loma Linda, California.
- Hardin, Robert Sims, Ivanhoe, Creighton University School of Medicine, Nebraska.
- Harmon, Ruth Emma, Berkeley, University of California Medical School, California.
- Hartwell, Donald Clifford, San Bernardino, College of Medical Evangelists, Loma Linda.
- Heney, Richard Bruce, San Francisco, University of California Medical School, California.
- Hepp, Virgil Eugene, Oakland, Stanford University School of Medicine, California.
- Hicks, Elizabeth Shreve, San Francisco, University of California Medical School, California.
- Holko, John Eugene, San Francisco, University of Michigan Medical School, Michigan.
- Hoover, Paul William, Oakland, University of Arkansas School of Medicine, Arkansas.
- Horswill, Harry Lee, Fresno, University of Oregon Medical School, Oregon.
- Huckvale, William Sidney, Canada, University of Alberta Faculty of Medicine, Canada.
- Husser, George Dalrymple, San Francisco, University of California Medical School, California.
- Innocent, George Grunewald, Fresno, College of Medical Evangelists, Loma Linda, California.
- Jing, Fred Quong, Fresno, Stanford University School of Medicine, California.
- Keenan, Peter Joseph, San Francisco, Creighton University Medical School, Nebraska.
- Kelley, Douglas McGlashan, San Francisco, University of California Medical School, California.
- Kelley, Kenneth, San Jose, Northwestern University Medical School, Illinois.
- Klinefelter, James Archibald, Sacramento, Stanford University School of Medicine, California.
- Kraushaar, Isaac Newton, Orange, College of Medical Evangelists, Loma Linda.
- Laird, Terry Turner, Oakland, Stanford University School of Medicine, California.
- Lastreto, Emilio Donald, San Francisco, Rush Medical College, Illinois.
- Lawry, Edwin Vance, San Francisco, Cornell University Medical College, New York.
- Leary, James Jeremiah, Jr., San Francisco, University of California Medical School, California.
- Lee, Dora Ames, Stockton, University of California Medical School, California.
- Lee, Gilbert (M. B.), Los Angeles, University of Minnesota Medical School, Minnesota.
- Leicester, Katherine Haworth, San Francisco, University of California Medical School, California.
- Lentz, Joseph Scarborough, San Francisco, Stanford University School of Medicine, California.
- Lesser, Robert Philipp, San Francisco, Friedrichs Wilhelm University, Berlin, Germany.
- Lestrohan, Paul Felix, San Francisco, Stanford University School of Medicine, California.
- Levinson, Laura, Sacramento, University of California Medical School, California.
- Lipsitch, Lester Samuel, San Francisco, Stanford University School of Medicine, California.
- Luce, James Coy, San Francisco, University of California Medical School, California.
- Macdonald, William Hugh, San Francisco, Rush Medical College, Illinois.
- Martin, Purvis Leet, San Francisco, University of California Medical School, California.
- Mathews, Benton Dunnegan, San Francisco, Stanford University School of Medicine, California.
- Maximov, Alexis Gregory, San Francisco, University of California Medical School, California.
- McCausland, John Daniel, Chula Vista, Washington University School of Medicine, Missouri.
- McDonald, Dorothy Elliott, San Francisco, University of California Medical School, California.
- Messenger, Thomas Troupe, Fresno, University of Arkansas School of Medicine, Arkansas.
- Meyer, Hans, San Francisco, Friedrich Wilhelms University, Germany.
- Miller, Henry, San Francisco, University of California Medical School, California.
- Miller, Walter Robert, Oakland, University of California Medical School, California.
- Mirick, George Swope, San Francisco, Johns Hopkins University School of Medicine, Maryland.
- Mooy, John Edward, Glendale, College of Medical Evangelists, Loma Linda, California.
- Morris, George William, Santa Barbara, University of Nebraska College of Medicine, Nebraska.
- Moses, Paul Josef, University of Cologne, Germany.
- Moss, Abner Jules, University of Buffalo Medical School, New York.
- Myers, Jack Duane, San Francisco, Stanford University School of Medicine, California.
- Needles, John Walter, San Francisco, University of Southern California School of Medicine, California.
- Newhouse, Robert Milton, San Francisco, Stanford University School of Medicine, California.
- Newman, William Jesse, San Francisco, Stanford University School of Medicine, California.

Northway, Frederick James, San Francisco, Stanford University School of Medicine, California.

Norton, John Archibald, Sacramento, Rush Medical College, Illinois.

Novacovich, George George, San Francisco, Stanford University School of Medicine, California.

Null, John William, San Francisco, Stanford University School of Medicine, California.

Ogaard, Adolph Thompson, San Francisco, Stanford University School of Medicine, California.

Otten, Alex John (M. B.), Oakland, Northwestern University Medical School, Illinois.

Peters, Harry Emerson, Jr., San Francisco, University of California Medical School, California.

Powers, Clara Louise, Los Angeles, Stanford University School of Medicine, California.

Prewitt, John Hanna, San Francisco, University of Pennsylvania School of Medicine, Pennsylvania.

Quinn, William Joseph, San Francisco, Washington University School of Medicine, Missouri.

Rankin, Ambrose Bradley, Los Angeles, College of Medical Evangelists, Loma Linda, California.

Richardson, Arthur Pawley, San Francisco, Stanford University School of Medicine, California.

Robinson, Thelma Theresa, Los Angeles, University of Michigan Medical School, Michigan.

Rosen, Moris Simon, San Francisco, University of California Medical School, California.

Rossi, Felix Rafael, Jr., San Francisco, University of California Medical School, California.

Rutherford, Mirlam Hook, San Francisco, University of California Medical School, California.

Scarborough, Charles Gerald, San Francisco, Stanford University School of Medicine, California.

Schaumloffel, Roland Abraham, Loma Linda, College of Medical Evangelists, Loma Linda.

Schiff, Hans, Los Angeles, University of Cologne Medical Faculty, Germany.

Schmidt, Allen Robert, Merced, University of Southern California School of Medicine, California.

Seiler, William Edwin, San Francisco, Creighton University School of Medicine, Nebraska.

Shapiro, Edward, San Francisco, University of California Medical School, California.

Shelton, Robert McNeill, San Francisco, Stanford University School of Medicine, California.

Shimkin, Michael Boris, San Francisco, University of California Medical School, California.

Simmonds, Raymond Julius, Imola, Stanford University School of Medicine, California.

Sleath, Jack Crisp, San Francisco, Yale University School of Medicine, Connecticut.

Solberg, Lawrence Arthur, San Francisco, Rush Medical College, Illinois.

Spining, William Duncan, San Francisco, University of California Medical School, California.

Stewart, Robert Alexander, San Francisco, Harvard University Medical School, Massachusetts.

Storey, Alfred Dean, San Francisco, Stanford University School of Medicine, California.

Swift, Coe Tanner, Madera, Jefferson Medical College, Philadelphia, Pennsylvania.

Taira, Kikuo Henry, Fresno, University of California Medical School, California.

Tiffin, Mary Elizabeth, San Francisco, Stanford University School of Medicine, California.

Tobias, Siegfried Fritz, Grass Valley, University of Heidelberg, Germany.

Todd, Max Alexander, San Francisco, Stanford University School of Medicine, California.

Torgerson, Thomas Myron, San Francisco, Rush Medical College, Illinois.

Turkel, Abraham William, Los Angeles, University of Southern California School of Medicine, California.

Voris, Albert Travers, San Francisco, Stanford University School of Medicine, California.

Walker, Irwin Seth, Loma Linda, College of Medical Evangelists, Loma Linda.

Webster, George Estep, San Francisco, Stanford University School of Medicine, California.

Webster, George Van O'Linda, Jr., San Francisco, Stanford University School of Medicine, California.

Weinstein, Harry, San Francisco, University of California Medical School, California.

Weizer, Ernest Andrew, Dunsmuir, Loyola University School of Medicine, Illinois.

Wells, Walker Marshall, San Francisco, Stanford University School of Medicine, California.

Wendt, Douglas Dudley, San Jose, Stanford University School of Medicine, California.

Weyrauch, Helen Blanche, San Francisco, Johns Hopkins University School of Medicine, Maryland.

Winick, Benjamin Israel, San Francisco, State University of Iowa College of Medicine, Iowa.

Zeff, Maurice Leon, San Francisco, University of California Medical School, California.

Zelman, Julius, San Bernardino, University of California Medical School, California.

Zink, Wiley Carl, Oakland, University of Nebraska College of Medicine, Nebraska.

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On September 20, 1937, Doctor Pinkham reported results of the written examination held in Los Angeles, July 20 to July 22, 1937, inclusive. The examination for physicians and surgeons covered nine subjects and included ninety questions; and the examination for chiroprodists covered six subjects and included sixty questions. An average of 75 per cent is required to pass. One hundred and thirty-six applicants wrote the examination, including one hundred and twenty-nine physicians and surgeons, seven chiroprodists. Included in the physicians and surgeons applicants were several graduates of foreign medical schools.

The highest mark for physicians and surgeons (90 per cent) was made by John H. Leary, M. D., Los Angeles General Hospital, Los Angeles, a graduate of the College of Medical Evangelists, California, June 13, 1937.

The following is a list of successful applicants:

#### PASSED

##### *Physicians and Surgeons*

Aaron, Ruth, Los Angeles, University of Chicago Division of Biological Sciences, Illinois.

Altig, William Ward, Alhambra, College of Medical Evangelists.

Anderson, Ernest Richard V., Los Angeles, University of Southern California School of Medicine.

Anderson, George Henry, San Francisco, State University of Iowa College of Medicine.

Armstrong, James Richard, Oakland, Northwestern University Medical School, Illinois.

Beeler, Thomas Taylor, Jr., San Diego, University of Oklahoma School of Medicine.

Bell, Ralph Marion, Los Angeles, Louisiana State University Medical Center.

Bishop, Harry Arthur (M. B.), Los Angeles, Northwestern University Medical School, Illinois.

Blomquist, Olov Albert, Los Angeles, College of Medical Evangelists.

Bradley, Millard Calvin, Los Angeles, College of Medical Evangelists.

Burston, Herschel Herbert, Los Angeles, University of Southern California School of Medicine.

Carlson, Elmer Otto, San Diego, University of Southern California School of Medicine.

Chapman, Ralph, Los Angeles, University of Illinois College of Medicine.

Clark, Ralph Otis, Santa Barbara, University of Oklahoma School of Medicine.

Colloff, Ben, San Francisco, Rush Medical College, Illinois.

Comparette, Homer Louis, Los Angeles, University of Southern California School of Medicine.

Comroe, Jules Belasco, Los Angeles, University of Chicago Division of Biological Sciences, Illinois.

Comroe, Leon Belasco, Los Angeles, University of Chicago Division of Biological Sciences, Illinois.

Conrad, William Frederick, Los Angeles, College of Medical Evangelists.

Cooper, Zaulie Philip, Los Angeles, University of California Medical School.

Cummings, Clara Mae, Los Angeles, College of Medical Evangelists.

DeCola, Angelina Marguerite, San Jose, Woman's Medical College of Pennsylvania.

Dolfini, Walter William, San Francisco, McGill University Faculty of Medicine, Canada.

Einhorn, Benjamin, Los Angeles, University of Illinois College of Medicine.

Emmons, Lowell Luther, San Bernardino, University of Southern California School of Medicine.

Ermshar, Lloyd George, Los Angeles, College of Medical Evangelists.

Fein, George, Los Angeles, University of Michigan Medical School.

Foster, Luther Paul, Los Angeles, College of Medical Evangelists.

Fox, Robert Adolph, Los Angeles, Creighton University School of Medicine, Nebraska.

Galbraith, Harold Frederick, Venice, University of Southern California School of Medicine.

- Gallup, Charles Amos, Los Angeles, University of Southern California School of Medicine.
- Gandin, Morris Mordecai, Los Angeles, University of Southern California School of Medicine.
- Garrett, Garland Fielding, Los Angeles, University of Southern California School of Medicine.
- Garron, Levon K., Oakland, McGill University Faculty of Medicine, Canada.
- Gassman, Frank Carl, San Francisco, Schlesische Friedrich Wilhelm University, Breslau, Germany.
- Geirger, Anne Benners, San Diego, University of California Medical School.
- Genitis, Valeria Erena, Los Angeles, Loyola University School of Medicine, Illinois.
- Goodhill, Victor, Los Angeles, University of Southern California School of Medicine.
- Goto, James M., Los Angeles, University of Southern California School of Medicine.
- Greeley, Charles Eddy, Inglewood, University of Southern California School of Medicine.
- Greeley, Paul Orson, Inglewood, University of Southern California School of Medicine.
- Greenberg, Maurice Herzberger, Los Angeles, University of Chicago Division of the Biological Sciences.
- Guinney, Francis Edwin, Los Angeles, University of Southern California School of Medicine.
- Hadley, Russel Curtis, Los Angeles, University of Southern California School of Medicine.
- Haft, Stanley Samuel, Los Angeles, Rush Medical College, Illinois.
- Hahman, Paul Theodore, San Francisco, McGill University Faculty of Medicine, Canada.
- Hanson, Paul Joseph, Los Angeles, University of Oklahoma School of Medicine.
- Hart, Helen Bertha, Los Angeles, University of Rochester School of Medicine and Dentistry, New York.
- Hendricks, Coleman Breese, Los Angeles, University of Southern California School of Medicine.
- Hill, Raymond Merrill, Los Angeles, College of Medical Evangelists.
- Hollander, Frederick George, San Diego, Loyola University School of Medicine, Illinois.
- Jacobs, Nathan, Los Angeles, Rush Medical College, Illinois.
- Jacobson, Leland Carl, Los Angeles, University of Southern California School of Medicine.
- Jamentz, Albert Hartune, Los Angeles, University of Southern California School of Medicine.
- Jones, Floyd Harriman, Long Beach, College of Medical Evangelists.
- Kaplan, Louis, Los Angeles, Rush Medical College.
- Knight, Frederick William, Miami, Arizona, College of Medical Evangelists.
- Knouf, Evelynne Gwenneth, Los Angeles, University of Southern California School of Medicine.
- Lasin, Harry, Los Angeles, University of Illinois College of Medicine.
- Leary, John Hilgers, Los Angeles, College of Medical Evangelists.
- Lee, Henry Yen, Los Angeles, College of Medical Evangelists.
- Lefkin, Philip, Los Angeles, Rush Medical College, Illinois.
- Leix, Frederick William S., Los Angeles, University of Southern California School of Medicine.
- Levy, Charles Cyril, Los Angeles, Loyola University School of Medicine, Illinois.
- Lighthill, Jack Abert, Los Angeles, University of Southern California School of Medicine.
- Lilly, Lewis John, Los Angeles, College of Medical Evangelists.
- Linne, Francis Byrnes, Los Angeles, University of Southern California School of Medicine.
- London, Milton Zavodnick, Los Angeles, University of Southern California School of Medicine.
- Long, James Clarke, San Marino, University of Southern California School of Medicine.
- Marsden, Charles Summers, Jr., San Diego, University of Michigan Medical School.
- Martin, John Needham, Los Angeles, College of Medical Evangelists.
- May, Stanton Bonham, Los Angeles, College of Medical Evangelists.
- McCoy, David Allen, Los Angeles, University of Southern California School of Medicine.
- McDonald, John Bowen, Los Angeles, Georgetown University School of Medicine, District of Columbia.
- McKenna, Stephen Eugene, Los Angeles, University of California Medical School.
- Miller, Earl Roy, San Francisco, University of Wisconsin School of Medicine.
- Milliken, Ralph Malcom, Los Angeles, University of Southern California School of Medicine.
- Millitzer, Marian Monica, Los Angeles, Loyola University School of Medicine.
- Moore, Robert Lester, South Pasadena, University of Pennsylvania School of Medicine.
- Nelson, Clyde Harold, Los Angeles, College of Medical Evangelists.
- Nelson, Harold Olaf, Los Angeles, Rush Medical College.
- Null, Robert Palmer, Pasadena, Stanford University School of Medicine.
- O'Hara, John Gerald, Los Angeles, St. Louis University School of Medicine.
- Olson, William Adolph, Los Angeles, College of Medical Evangelists.
- Parrett, Virgil Owen, San Juan Capistrano, College of Medical Evangelists.
- Petersen, Henry Charles, Sacramento, University of Southern California School of Medicine.
- Reeves, Nile Irwin, Loma Linda, College of Medical Evangelists.
- Riddell, Herman Irving, Louisville, Kentucky, University of Southern California School of Medicine.
- Robson, Verna Lucille, Berrien Springs, Michigan, College of Medical Evangelists.
- Root, Ralph Nathan, San Bernardino, University of Southern California School of Medicine.
- Sarnat, Bernard George, Los Angeles, University of Chicago Division of Biological Sciences.
- Sbarbaro, Victor Eugene, Weed, California, McGill University Faculty of Medicine, Canada.
- Schultz, Edwin William, Palo Alto, Johns Hopkins University School of Medicine.
- Scott, Clarence Deith, Bishop, University of Western Ontario Medical School, Canada.
- Soroker, Stella Bella, Los Angeles, University of Southern California School of Medicine.
- Stanton, Ernest Mabrey, Santa Monica, College of Medical Evangelists.
- Steele, Warren Nelson, Jr., Los Angeles, University of Southern California School of Medicine.
- Tarr, Lloyd Nathan, Sierra Madre, Stanford University School of Medicine.
- Thompson, Roderick Alexander I., Los Angeles, University of Southern California School of Medicine.
- Thornbury, James Harvey, San Francisco, Jefferson Medical College, Pennsylvania.
- Tompkins, Harold Phillip, Santa Barbara, Washington University School of Medicine, Missouri.
- Tully, Paul White, Los Angeles, University of Southern California School of Medicine.
- Wadsworth, Elmer Eugene, Jr., Santa Barbara, University of Southern California School of Medicine.
- Wang, Chi Chang, China, College of Medical Evangelists.
- Ward, Henry Charles, Long Beach, Stanford University School of Medicine.
- Wartenberg, Robert, San Francisco, University of Rostock Medical Faculty, Germany.
- Watson, Blake Haverson, University of Manitoba Faculty of Medicine, Canada.
- Wells, Ruth, Springville, California, Stanford University School of Medicine.
- Wexler, Manuel R., Los Angeles, Rush Medical College, Illinois.
- Wheeler, Norman Orion, Los Angeles, College of Medical Evangelists.
- Witherbee, Orville Orvus, Jr., Los Angeles, University of Southern California School of Medicine.
- Wolff, Erich, Los Angeles, Friedrich Wilhelm University, Berlin, Germany.
- Wood, Clyde Othur, Los Angeles, University of Southern California School of Medicine.
- Woodhull, Franklin Earl, Los Angeles, University of Southern California School of Medicine.
- Ziprick, Harold Frederick, Los Angeles, College of Medical Evangelists.

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*Molds.*—There is no clear-cut evidence to indicate that molds which commonly produce spoilage in food are pathogenic to man. Air and soil contain many mold spores which germinate and grow when they have suitable food, moisture, temperature, and time. Common refrigerators are not free from fungi.

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Every stage of life calls for teaching. He who is beyond the need of it is already dead mentally. A trait of the person who achieves much is a strong interest in something, coupled with a disposition to respond to teaching, from whatever source it may come.